

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A recording medium comprising:

an authentication region having a plurality of RAM ~~bit~~ bits and a plurality of ROM ~~bit~~ bits, the RAM bits and the ROM bits being intermingled, the RAM bit being over-writable of data at least once by a first writing condition, and the ROM bit being not over-writable of data by the first condition; and
a data storing region.

Claim 2 (Currently Amended) The recording medium according to claim 1, further comprising a non-recording region enclosing the RAM ~~bit~~ bits and the ROM ~~bit~~ bits, and the non-recording region being not over-writable by the first writing condition.

Claim 3 (Currently Amended) A recording-medium management method comprising:

obtaining a first data line from an authentication region of a recording medium, the authentication region including ~~a first data pattern of a~~ plurality of RAM ~~bit~~ bits and a plurality of ROM ~~bit~~ bits, the RAM bits and the ROM bits being intermingled in the authentication region, the first data line ~~being~~ corresponding to an arrangement of the RAM bits and the ROM bits ~~the first data pattern~~, the RAM bit being over-writable of data at least once by a first writing condition, and the ROM bit being not over-writable of data by the first writing condition;

overwriting a predetermined data to the RAM ~~bit~~ bits;

obtaining a second data line from the recording medium, the second data line ~~being~~ corresponding to ~~a second data pattern~~ an arrangement of the over-written RAM ~~bit~~ bits and the ROM ~~bit~~ bits, and

decrypting an encrypted data stored in a data storing region of the recording medium in reference to the first and second data lines.

Claim 4 (Currently Amended) A recording-medium management method comprising:

obtaining a first data line from an authentication region of a recording medium, the authentication region including ~~a first data pattern~~ of a plurality of RAM ~~bit~~ bits and a plurality of ROM ~~bit~~ bits, the RAM bits and the ROM bits being intermingled in the authentication region, the first data line ~~being~~ corresponding to an arrangement of the RAM bits and the ROM bits ~~the first data pattern~~, the RAM bit being over-writable of data at least once by a first writing condition, and the ROM bit being not over-writable of data by the first writing condition;

overwriting a predetermined data to the RAM ~~bit~~ bits;

obtaining a second data line from the recording medium, the second data line ~~being~~ corresponding to ~~a second data pattern~~ an arrangement of the over-written RAM ~~bit~~ bits and the ROM ~~bit~~ bits, and

judging propriety of an access to a data storing region of the recording-medium in reference to the first and second data lines.

Claim 5 (Currently Amended) A recording-medium management system comprising:

a reproduction part;

a recording part; and

a control part performing

a first control to obtain a first data line from an authentication region of a recording medium by making the reproduction part read the authentication region, the authentication region including ~~a first data pattern of a~~ plurality of RAM bit bits and a plurality of ROM bit bits, the RAM bits and the ROM bits being intermingled in the authentication region, the first data line ~~being~~ corresponding to an arrangement of the RAM bits and the ROM bits ~~the first data pattern~~, the RAM bit being over-writable of data at least once by a first writing condition, and the ROM bit being not over-writable of data by the first writing condition;

a second control to make the recording part overwrite predetermined data to the RAM ~~bit bits~~;

a third control to obtain a second data line from the recording-medium by making the reproduction part read the authentication region, the second data line ~~being~~ corresponding to ~~a second data pattern~~ an arrangement of the over-written RAM ~~bit bits~~ and the ROM ~~bit bits~~,
and

a fourth control to perform an authentication with regard to the recording medium in reference to the first and second data lines.

Claim 6 (Original): The recording-medium management system according to claim 5, wherein the authentication is a decryption procedure of an encrypted data stored in the recording medium.

Claim 7 (Original): The recording-medium management system according to claim 5, wherein the authentication is a judgment of propriety of an access to a data stored in the recording medium.

Claim 8 (Original): The recording-medium management system according to claim 5, wherein the predetermined data consist of only either one of binary values.

Claim 9 (Original): The recording-medium management system according to claim 5, wherein the predetermined data has a sequence in which one of binary values and another of binary values appear by turns.

Claim 10 (Currently Amended): The recording-medium management system according to claim 5, wherein the recording medium has a plurality of the authentication regions, and the control part performs the first through fourth ~~control~~ controls in ~~correspond~~ correspondence to each of the authentication regions.

Claim 11 (Original): The recording-medium management system according to claim 10, further comprising a memory to store at least one of the obtained first and second data lines, the control part performing a fifth control to erase at least one of the first and second data lines stored in the memory.

Claim 12 (Currently Amended): The recording-medium management system according to claim 11, wherein the control part performs the fifth control when reading a data region of the recording medium corresponding to the data to be erased is performed ~~[[by]]~~ a predetermined times.

Claim 13 (Original): The recording-medium management system according to claim 11, wherein the control part performs the fifth control when the recording medium is removed from the recording-medium management system.

Claim 14 (Currently Amended): The recording-medium management system according to claim 11, wherein the control part performs the fifth control when a predetermined time ~~passed~~ passes after the first or second data line is obtained.

Claim 15 (Original): The recording-medium management system according to claim 11, wherein the control part performs the fifth control when a use of the recording medium is finished.

Claim 16 (Original): The recording-medium management system according to claim 5, further comprising a memory to store at least one of the obtained first and second data lines, the control part performing a fifth control to erase at least one of the first and second data lines stored in the memory.

Claim 17 (Currently Amended): The recording-medium management system according to claim 16, wherein the control part performs the fifth control when reading a data region of the recording medium corresponding to the data to be erased is performed [[by]] a predetermined times.

Claim 18 (Original): The recording-medium management system according to claim 16, wherein the control part performs the fifth control when the recording medium is removed from the recording-medium management system.

Claim 19 (Currently Amended): The recording-medium management system according to claim 16, wherein the control part performs the fifth control when a predetermined time ~~passed~~ passes after the first or second data line is obtained.

Claim 20 (Original): The recording-medium management system according to claim 16, wherein the control part performs the fifth control when a use of the recording medium is finished.

Claim 21 (Currently Amended) The recording-medium management system according to claim 5, wherein the control part performs a sixth control to make the recording part overwrite data to the RAM ~~bit~~ bits in order that the first data line is obtained when the first control is performed to the recording medium.